Freeform Search

Database:
US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Term:
```
122 and compar$
```

Display: `10` Documents in **Display Format:** `-` Starting with Number `1`

Generate: ○ Hit List ◉ Hit Count ○ Side by Side ○ Image

Search   Clear   Interrupt

Search History

DATE: Saturday, October 14, 2006   **Purge Queries**   Printable Copy   Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=PGPB,USPT; PLUR=YES; OP=OR			
L24	l22 and compar$	4	L24
L23	l22 and compare	3	L23
DB=USPT,PGPB; PLUR=YES; OP=OR			
L22	('4648064'| '4897834'| '5721722'| '5812432')![pn]	4	L22
DB=USPT; PLUR=YES; OP=OR			
L21	L20 and L19	20	L21
L20	(validat$ and (sorage$ or device$) and address$).clm.	463	L20
L19	(validat$ and (sorage$ or device$) and address$).ab.	39	L19
L18	(validat$ and (sorage$ or device$) and address$).ti.	2	L18
L17	validat$ and (sorage$ or device$) and address$	20261	L17
L16	(5550971 or 4897648 or 5206949 or 5768581 or 5995979).pn.	5	L16
DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR			
L15	L14 and L13	13	L15
L14	(storage near5 device$ and path$2).clm.	6595	L14
L13	L12 and L11	232	L13
L12	(storage near5 device$ and path$2).ab.	4707	L12
L11	(storage near5 device$ and path$2).ti.	378	L11
L10	(storage near5 device$ and path$2)	125305	L10

L9	L8 and compar$	1	L9
L8	L7 and L6	1	L8
L7	((compar$ or map$) and (device near5 (id or identif$)) and (information or data)).clm.	8413	L7
L6	L5 and L3	150	L6
L5	((compar$ or map$) and (device near5 (id or identif$)) and (information or data)).ab.	3726	L5
L4	((compar$) and (device near5 (id or identif$)) and (information or data)).ti.	219	L4
L3	((compar$ or map$) and (device near5 (id or identif$)) and (information or data)).ti.	258	L3
L2	((compar$ or map$) and (device near5 (id or identif$)) and (information or data))	78641	L2

DB=USPT; PLUR=YES; OP=OR

L1	6393535.pn.	1	L1

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
L20 and L19	20

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Search:
```
L21
```

[Refine Search]

[Recall Text] [Clear] [Interrupt]

Search History

DATE: Saturday, October 14, 2006   **Purge Queries**   Printable Copy   Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=USPT; PLUR=YES; OP=OR			
L21	L20 and L19	20	L21
L20	(validat$ and (sorage$ or device$) and address$).clm.	463	L20
L19	(validat$ and (sorage$ or device$) and address$).ab.	39	L19
L18	(validat$ and (sorage$ or device$) and address$).ti.	2	L18
L17	validat$ and (sorage$ or device$) and address$	20261	L17
L16	(5550971 or 4897648 or 5206949 or 5768581 or 5995979).pn.	5	L16
DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR			
L15	L14 and L13	13	L15
L14	(storage near5 device$ and path$2).clm.	6595	L14
L13	L12 and L11	232	L13
L12	(storage near5 device$ and path$2).ab.	4707	L12
L11	(storage near5 device$ and path$2).ti.	378	L11
L10	(storage near5 device$ and path$2)	125305	L10
L9	L8 and compar$	1	L9
L8	L7 and 16	1	L8
L7	((compar$ or map$) and (device near5 (id or identif$))) and (information or	8413	L7

data)).clm.

L6	L5 and l3	150	L6
L5	((compar$ or map$) and (device near5 (id or identif$)) and (information or data)).ab.	3726	L5
L4	((compar$) and (device near5 (id or identif$)) and (information or data)).ti.	219	L4
L3	((compar$ or map$) and (device near5 (id or identif$)) and (information or data)).ti.	258	L3
L2	((compar$ or map$) and (device near5 (id or identif$)) and (information or data))	78641	L2

DB=USPT; PLUR=YES; OP=OR

| L1 | 6393535.pn. | 1 | L1 |

END OF SEARCH HISTORY

☐ ▓▓▓ Generate Collection ▓▓▓ | Print

L9: Entry 1 of 1   File: USPT   Apr 20, 2004

DOCUMENT-IDENTIFIER: US 6725288 B2
TITLE: System for transmitting data between a device data area and a variable data area of a
memory according to a memory map based on an identifying data of a device detected

Abstract Text (1):
A controller contains an I/O memory and uses a device detecting service to detect a device
connected to it through a network and to obtain its device identifying data. A memory map
setting service sets a device data area on the I/O memory according to the obtained device
identifying data for exchanging data with the connected device and produces a memory map
correlating the device data area with a variable data area on the I/O memory correlated to the
device. The controller also includes a cyclic service and a data transmission service. The
cyclic service transmits and receives data to and from the device periodically in the data
linking format according to the memory map and by using the device data area on the I/O memory.
The data transmission service transmits the data between the variable data area and the device
data area.

Detailed Description Text (19):
The devices respond to the command message by transmitting back as response messages their
device data such as their device names, serial numbers, node numbers, I/O sizes, maker names,
etc. These received device data are collected and compared with already stored device data. If
there is a difference, it is determined that a new device has been connected, say, to the
network, and difference data (on the newly connected device) are transmitted to a memory map
setting service 18. Immediately after the controller 10 is switched on, however, the acquired
data are transmitted to the memory map setting service 18 because there are no already existing
data. The memory map setting service 18 is for obtaining device data from the device detecting
service 17, making a memory map based on the received data and transmitting the produced memory
map to a data transmission service 19 and a cyclic service 20.

CLAIMS:

1. A controller for controlling devices that are connected thereto, said controller comprising:
memory means inside said controller for storing data; device detecting means for detecting a
device connected to said controller and obtaining device identifying data on the detected
device; memory map setting means for setting a device data area on said memory means, based on
the obtained device identifying data, for transmitting and receiving data to and from said
device and producing a memory map which correlates said device data area with a variable data
area on said memory correlated to said device; communicating means for periodically
transmitting and receiving data to and from said device in a data linking format according to
said memory map by using said device data area on said memory means; and data transmitting
means for transmitting data according to said memory map between said variable data area on
said memory means and said device data area.

2. The controller of claim 1 further comprising correlation data storing means for storing
correlation data for correlating said control program and said device, said control program
accessing said device by referencing said correlation data to thereby identify an access
address.

3. An extension board to be connected to a controller controlling a device connected to said
controller; said extension board comprising: device detecting means for detecting a device
connected to said controller and obtaining device identifying data on the detected device;
memory map setting means for setting a device data area on memory means inside said controller,
based on the obtained device identifying data, for transmitting and receiving data to and from

said device and producing a memory map which correlates said device data area with a variable data area on said memory correlated to said device; and data transmitting means for transmitting data according to said memory map between said variable data area on said memory means and said device data area.

4. A communication unit for communicating with a device connected to and controlled by a controller containing a memory means; said communication unit comprising: device detecting means for detecting said device connected to said controller and obtaining device identifying data on the detected device; memory map setting means for setting a device data area on said memory means, based on the obtained device identifying data, transmitting and receiving data to and from said device and producing a memory map which correlates said device data area with a variable data area on said memory correlated to said device; communicating means for periodically transmitting and receiving data to and from said device in a data linking format according to said memory map by using said device data area on said memory means; and data transmitting means for transmitting data according to said memory map between said variable data area on said memory means and said device data area.

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